

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

(For all sources except true minor sources)

Completed by: May Hong

GENERAL INFORMATION:

Name: Huish Detergents Inc.
Address: 385 Southwood Court, Bowling Green, Kentucky
Date application received: 12/15/2000
SIC/Source description: 2841 (Detergent manufacturing)
Source ID #: 21-227-00100
Source A.I. #: 4117
Activity #: APE20040001
Permit number: F-05-016

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
___ Administrative	<input type="checkbox"/> Title V
___ Minor	<input type="checkbox"/> Synthetic minor
___ Significant	<input checked="" type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

☐ Acid rain source
☐ Source subject to 112(r)
☒ Source applied for federally enforceable emissions cap
☐ Source provided terms for alternative operating scenarios
☐ Source subject to a MACT standard
☐ Source requested case-by-case 112(g) or (j) determination
☐ Application proposes new control technology
☐ Certified by responsible official
☐ Diagrams or drawings included
☐ Confidential business information (CBI) submitted in application
☐ Pollution Prevention Measures
☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM/PM ₁₀	25.20	92.73
SO ₂	0.0593	0.1757
NO _x	6.543	16.598
CO	6.231	16.735
VOC	10.611 *	5.963

* Note: Actual emissions were based on past emission factors, that have been revised for future actual and current potential (based on application for permit F-05-016).

SOURCE PROCESS DESCRIPTION:

Huish Detergents Incorporated has applied for a renewal to their conditional major permit to operate a detergent manufacturing plant in Bowling Green, Kentucky. This detergent manufacturing plant produces detergents and other laundry related products. Some examples of the products manufactured are liquid laundry detergents, different grades of laundry detergent powders and liquid dish washing detergents. They also have blow molding and injection molding equipment to manufacture plastic bottles and pour spouts.

The raw materials for detergent manufacturing are stored in tanks connected with baghouses and bin vents. Many pieces of equipment have pick up points and vent into the atmosphere through a common baghouse. The use of the control equipment is important in keeping the plant under the major source threshold for particulate matter (PT). There is a combined total of thirty-five baghouses, bin vents and scrubber in the facility. There are also a total of four natural gas burning boilers in the facility.

EMISSION AND OPERATING CAPS DESCRIPTION:

In order to keep particulate matter emissions to below 90 tons per year, the facility is required to have limitations on their production rates. At the same time, a requirement to maintain and operate the air pollution control equipment is included. The control equipment has to be in use at all times of operation.